

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1015	ornithine AND (transcarbamylase OR carbamoyltransferase)	US-PGPUB; USPAT	OR	OFF	2005/11/22 11:40
S2	134	S1 NOT human	US-PGPUB; USPAT	OR	OFF	2005/11/22 11:35
S3	731	ornithine ADJ (transcarbamylase OR carbamoyltransferase)	US-PGPUB; USPAT	OR	OFF	2005/11/22 11:41
S4	355	S3 AND (fungus OR fungal)	US-PGPUB; USPAT	OR	OFF	2005/11/22 11:42

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS 4 OCT 03 MATHDI removed from STN
NEWS 5 OCT 04 CA/CAPplus-Canadian Intellectual Property Office (CIPO) added
to core patent offices
NEWS 6 OCT 13 New CAS Information Use Policies Effective October 17, 2005
NEWS 7 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download
of CAPplus documents for use in third-party analysis and
visualization tools
NEWS 8 OCT 27 Free KWIC format extended in full-text databases
NEWS 9 OCT 27 DIOGENES content streamlined
NEWS 10 OCT 27 EPFULL enhanced with additional content
NEWS 11 NOV 14 CA/CAPplus - Expanded coverage of German academic research

NEWS EXPRESS NOVEMBER 18 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
<http://download.cas.org/express/v8.0-Discover/>

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FILE 'HOME' ENTERED AT 14:19:25 ON 22 NOV 2005

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:19:59 ON 22 NOV 2005
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STRUCTURE FILE UPDATES: 21 NOV 2005 HIGHEST RN 868586-21-4
DICTIONARY FILE UPDATES: 21 NOV 2005 HIGHEST RN 868586-21-4

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when
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```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information.  *
*
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS
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REGISTRY includes numerically searchable data for experimental and
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<http://www.cas.org/ONLINE/UG/regprops.html>

=> e 9001-69-8/rn

```
E1      1      9001-67-6/RN
E2      1      9001-68-7/RN
E3      1  --> 9001-69-8/RN
E4      1      9001-70-1/RN
E5      1      9001-71-2/RN
E6      1      9001-72-3/RN
E7      1      9001-73-4/RN
E8      2      9001-74-5/RN
E9      1      9001-75-6/RN
E10     1      9001-76-7/RN
E11     1      9001-77-8/RN
E12     1      9001-78-9/RN
```

=> s e3/all

'ALL' IS NOT A VALID FIELD CODE

L1 0 9001-69-8/ALL

=> s e3 all

MISSING OPERATOR

=>

=> s e3; d

L2 1 9001-69-8/RN

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 9001-69-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN Carbamoyltransferase, ornithine (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Carbamylphosphate-ornithine transcarbamylase

CN Citrulline phosphorylase

CN E.C. 2.1.3.3

CN L-Ornithine carbamoyltransferase

CN L-Ornithine carbamyltransferase
 CN L-Ornithine transcarbamylase
 CN Ornithine carbamoyltransferase
 CN Ornithine carbamylase
 CN Ornithine carbamyltransferase
 CN Ornithine transcarbamoylase
 CN Ornithine transcarbamylase
 DR 37338-46-8
 MF Unspecified
 CI MAN
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CABA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB,
 DDFU,
 DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, NIOSHTIC, PIRA, PROMT,
 TOXCENTER, USPAT2, USPATFULL
 Other Sources: EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)

STRUCTURE DIAGRAM IS NOT AVAILABLE

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2426 REFERENCES IN FILE CA (1907 TO DATE)
 16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2427 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus biosis caba agricola scisearch
 COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	7.86	8.07

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=> s l2<chem>

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	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	4.31	12.38

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SEL L2 1- CHEM
L3 SEL L2 1- CHEM : 13 TERMS

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SET COMMAND COMPLETED

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.93	23.31

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S L3
L4 7500 L3

=> s l4 AND (fungi OR fungus OR fungal OR magnaporthe)
L5 202 L4 AND (FUNGI OR FUNGUS OR FUNGAL OR MAGNAPORTHE)

=> dup rem l5
PROCESSING COMPLETED FOR L5
L6 172 DUP REM L5 (30 DUPLICATES REMOVED)

=> d all 1

L6 ANSWER 1 OF 172 CAPLUS COPYRIGHT 2005 ACS on STN

Full Text

AN 2004:1037226 CAPLUS

DN 142:32918

ED Entered STN: 03 Dec 2004

TI Method for the identification of inhibitors of **ornithine carbamoyltransferase**, ketol-acid reductoisomerase, and **fungal** pathogenicity-conferring gene as antibiotics

IN Tanzer, Matthew M.; Hamer, Lisbeth; Adachi, Kiichi; Dezwaan, Todd M.; Lo, Sze-Chung C.; Montenegro-Chamorro, Maria V.; Darveaux, Blaise A.; Frank, Sheryl A.; Heiniger, Ryan W.; Mahanty, Sanjoy K.; Pan, Huaqin; Covington, Amy S.; Tarpey, Rex; Shuster, Jeffrey R.

PA Paradigm Genetics, Inc., USA

SO PCT Int. Appl., 179 pp.

CODEN: PIXXD2

DT Patent

LA English
IC ICM C12N
CC 1-5 (Pharmacology)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004104176	A2	20041202	WO 2004-US15404	20040517
	WO 2004104176	A3	20051013		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW,			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2005019846	A1	20050127	US 2004-849985	20040520
PRAI	US 2003-470947P	P	20030515		
	US 2003-471615P	P	20030519		
	US 2003-472242P	P	20030521		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2004104176	ICM	C12N
US 2005019846	NCL	435/007.310

AB The present inventors have discovered that **ornithine carbamoyltransferase**, ketol-acid reductoisomerase and a pathogenicity-conferring gene sequence (PCGI) are essential for normal **fungal** pathogenicity. Specifically, the inhibition of **ornithine carbamoyltransferase** gene expression in **fungi** eliminates pathogenicity, the inhibition of ketol-acid reductoisomerase gene expression in **fungi** results in drastically reduced pathogenicity, and the inhibition of the expression of the genomic sequence set forth in SEQ ID NO: 11 (PCGI) in **fungi** results in the elimination of pathogenicity. Thus, **ornithine carbamoyltransferase**, ketol-acid reductoisomerase, and PCGI are useful as targets for the identification of antibiotics, preferably antifungals. Accordingly, the present invention provides methods for the identification of compds. that inhibit **ornithine carbamoyltransferase**, ketol-acid reductoisomerase, and PCGI expression or activity. The methods of the invention are useful for the identification of antibiotics, preferably antifungals.

ST **ornithine carbamoyltransferase** ketol acid reductoisomerase **fungal** gene antibiotic

IT Antibiotics

Fungi

Fungicides

High throughput screening

Magnaporthe grisea

Mycosphaerella

Mycosphaerella graminicola

(method for identification of inhibitors of **ornithine carbamoyltransferase**, ketol-acid reductoisomerase, and **fungal** pathogenicity-conferring gene as antibiotics)

IT 61-90-5, L-Leucine, biological studies 72-18-4, L-Valine, biological studies 73-32-5, L-Isoleucine, biological studies 9001-69-8, **Ornithine carbamoyltransferase** 9024-32-2, Acetohydroxyacid dehydrase 9027-45-6, Acetolactate synthase 9075-02-

9,

Ketol-acid reductoisomerase

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(method for identification of inhibitors of **ornithine**

carbamoyltransferase, ketol-acid reductoisomerase, and

fungal pathogenicity-conferring gene as antibiotics)

IT 53-57-6, NADP(H) 53-59-8, NAD(P) 562-43-6 3142-65-2 19451-56-0
71698-08-3

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL

(Biological study); USES (Uses)

(method for identification of inhibitors of **ornithine**

carbamoyltransferase, ketol-acid reductoisomerase, and

fungal pathogenicity-conferring gene as antibiotics)

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